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SNOW SURVEYS

and WATER SUPPLY OUTLOOK for

ALASKA



SOIL CONSERVATION SERVICE
U.S. DEPARTMENT OF AGRICULTURE

Cooperating with

ALASKA SOIL CONSERVATION DISTRICT

AS OF
FEB. 1, 1980

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season will interact with a resultant average effect on runoff. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1900 snow courses in Western United States and in the Columbia Basin in British Columbia. Networks of automatic snow water equivalent and related data sensing devices, along with radio telemetry are expanding and will provide a continuous record of snow water and other parameters at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data on reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

COVER PHOTO: THE SNOTEL PROJECT CENTRAL COMPUTER FACILITIES IN PORTLAND, OREGON. THE TERMINAL, PRINTER, COMPUTER AND TAPE DRIVES HAVE NOT COMPLETELY REPLACED THE SNOW SAMPLING TUBES SEEN IN THE FOREGROUND.

PUBLISHED BY SOIL CONSERVATION SERVICE

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, West Technical Service Center, Room 510, 511 N.W. Broadway, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	Room 129, 2221 East Northern Lights Blvd., Anchorage, Alaska 99504
Arizona	Room 3008, Federal Building, 230 N. First Ave., Phoenix, Arizona 85025
Colorado (N. Mex.)	P. O. Box 17107, Denver, Colorado 80217
Idaho	Room 345, 304 N. 8th. St., Boise, Idaho 83702
Montana	P. O. Box 98, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno, Nevada 89505
Oregon	1220 S. W. Third Ave., Portland, Oregon 97204
Utah	4420 Federal Bldg., 125 South State St., Salt Lake City, Utah 84138
Washington	360 U. S. Court House, Spokane, Washington 99201
Wyoming	P. O. Box 2440, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Snow Surveys Branch, California Department of Water Resources, P.O. Box 388, Sacramento, California 95802 --- for British Columbia by the Ministry of the Environment, Water Investigations Branch, Parliament Buildings, Victoria, British Columbia V8V 1X5 --- for Yukon Territory by the Department of Indian and Northern Affairs, Northern Operations Branch, 200 Range Road, Whitehorse, Yukon Territory Y1A 3V1 --- and for Alberta, Saskatchewan, and N.W.T. by the Water Survey of Canada, Inland Waters Branch, 110-12 Avenue S.W., Calgary, Alberta T3C 1A6.



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***SNOW SURVEYS
AND
WATER SUPPLY OUTLOOK
FOR
ALASKA***

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DETERMINING SNOW DEPTH AT ANAKTUVUK PASS, BROOKS RANGE

ALASKA SUMMARY
as of
FEBRUARY 1, 1980

Maximum of record snowpack overlays the Kenai Peninsula, Chugach and Talkeetna Mountains, and portions of the Alaska Range. This winter has been very similar to, and even ahead of, the record setting winter of 1977. The continual bombardment along the Gulf of Alaska Coast by heavily moisture-laden and relatively warm storm systems have piled up enormous amounts of snow in mountainous areas. The avalanche hazard has been extreme with more snowslides than ever crossing the Seward Highway by February 1st.

Valley areas of South Central, in contrast, have just a little above average snowpack. These areas have had rain and sufficient warm temperatures which has resulted in a considerable amount of water passing through the snowpack.

The Interior of Alaska has below-average snow.

The area summary is as follows:

Koyukuk Drainage

The snowpack increases, moving north along the pipeline from the Yukon crossing (which is about average), to Atigun Pass, where it is well above average.

Tanana-Chena Drainage

The Upper Tanana Valley including Delta Junction and Tok, is just about normal for February 1st. However, the Chena River Basin varies between 20% and 30% below average.

Copper Drainage

Only a few of the Copper River courses were measured this time. They indicate the snow cover to be varying between average and 20% below.

Susitna Drainage

No Surveys were made in the Upper Susitna Valley. Within the Lower Susitna Valley, the Peters Hills and Talkeetna mountain courses are maximum of record at this point in the season. Several new aerial markers located near the Tokositna Glacier were read for the first time. There was an astonishing amount of snow in the Tokositna Valley - - - 5½ feet. In spite of this exceptionally heavy snowpack, there were many moose observed in the area.

The Susitna Valley bottom, however, was only a little above normal. The snowpack there was typical of breakup conditions where rain and meltwater were passing into the soil.

Upper Cook Inlet

Ship Creek is also maximum of record. Indian Pass is 84% above average and well ahead of the 1977 previous record year.

Kenai Peninsula Drainage

The Peninsula also has a very heavy snowpack in the mountains. Turnagain Pass is better than double the ten-year average. Moose Pass is four times the average for February 1st.

Southeastern Drainages

Southeast is known to be having a very wet year, also. The amount of snow on the ground and its relation to the average are not known at this time, however.

STREAMFLOW FORECASTS		THIS YEAR		PAST RECORD	
BASIN, STREAM and/or FORECAST POINT	FORECAST		FORECAST PERIOD	THOUSAND ACRE FEET	
	Thousand Acre Feet	Percent of Average		Last Year	Average †
NO FORECASTS WERE MADE BEFORE MARCH 1, 1980					

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			LAST YEAR		HISTORICAL AVERAGE		
			Date of Survey	Snow Depth (inches)	Water Content (inches)	Snow Depth (inches)	Water Content (inches)	Snow Depth (inches)	Water Content (inches)	Years of Previous Record
NAME	Number	Elevation								
AS OF DECEMBER 1, 1979										
<u>SOUTHEAST:</u>										
Pet Ridge, North	New	1600	12/5	12	2.9	---	---	---	---	---
Pet Ridge, South	New	1650	12/5	10	2.2	---	---	---	---	---
Petersburg Reservoir	99	550	12/5	0	0.0	---	---	---	---	---
AS OF JANUARY 1, 1980										
<u>SOUTHEAST:</u>										
Cropley Lake	94	1650	1/1	60	14.0	---	---	---	---	---
Eagle Crest	95	1000	1/2	48	12.0	---	---	---	---	---
Fish Creek	96	500	1/1	32	6.7	---	---	---	---	---
Pet Ridge, North	New	1600	1/7	32	9.9	---	---	---	---	---
Pet Ridge, South	New	1650	1/7	29	9.8	---	---	---	---	---
Petersburg Reservoir	99	550	1/4	19	4.4	34	6.2	---	---	2
<u>KENAI PENINSULA:</u>										
Fox Creek	145	1500	12/30	32	5.8	32	7.5	---	---	2
Pass Creek	144	1200	12/30	32	5.5	26	2.1	---	---	2
Resurrection Pass	146	2250	12/30	36	8.0	34	6.2	---	---	2
AS OF JANUARY 15, 1980										
<u>SOUTHEAST:</u>										
Pet Ridge, North	New	1600	1/15	55	12.9	---	---	---	---	---
Pet Ridge, South	New	1650	1/15	51	12.1	---	---	---	---	---
Petersburg Reservoir	99	550	1/15	32	6.4	---	---	---	---	---
<u>TANANA-CHENA:</u>										
Colorado Creek	63	750	1/16	13	1.6	---	---	---	---	---
AS OF FEBRUARY 1, 1980										
<u>KOYUKUK:</u>										
Anaktuvuk Pass	75	2100	NO SURVEY			---	---	---	---	---
Coldfoot	109	1000	1/30	31	6.4	---	---	27	5.1	2
Dietrich River	110	1550	2/1	19	3.1	---	---	---	---	2
Prospect Creek	108	980	1/30	26	5.2	---	---	31	5.4	3
Table Mountain	111	2200	2/1	23	4.7	---	---	23	4.0	3
<u>YUKON:</u>										
Atigun Pass	123	4900	1/31	58	15.9	---	---	---	---	---
Five-Mile Camp	106	400	1/30	24	4.2	---	---	---	---	2
Hess Creek	126	1000	1/30	24	4.3	---	---	---	---	---
Thirty-Mile	107	1300	2/1	35	8.2	---	---	29	5.6	3
<u>KUSKOKWIM:</u>										
Big River	New	1600	NO SURVEY			---	---	---	---	---
Farewell	70	1090	1/29	24	3.9	---	---	---	---	---
McGrath	New	340	1/29	28	4.8	---	---	---	---	---
Moore Creek	New	950	1/29	39a	7.8e	---	---	---	---	---
Purkeypile Mine	New	2050	1/30	23	3.3	---	---	---	---	---
Slow Fork	New	1300	1/30	22	3.6	---	---	---	---	---
Tatalina Field	New	850	1/29	33	6.7	---	---	---	---	---
Towahmina Lake	New	600	1/30	29	4.9	---	---	---	---	---
a - aerial marker reading e - estimated										

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			LAST YEAR		HISTORICAL AVERAGE +		
NAME	Number	Elevation	Date of Survey	Snow Depth (inches)	Water Content (inches)	Snow Depth (inches)	Water Content (inches)	Snow Depth (inches)	Water Content (inches)	Years of Previous Record
<u>TANANA-CHENA:</u>										
Big Delta	52	980	2/1	14	2.2	13	2.3	14	2.3	3
Bonanza Creek	66	1150	N O	S U R V E Y		—	—	22	3.7	7
Caribou Creek	68	1440	N O	S U R V E Y		24	4.0	23	4.0	10
Caribou Mine	55	1115	N O	S U R V E Y		—	—	27	5.1	9
Caribou Snow Pillow	69	1025	N O	S U R V E Y		19	3.5	21	3.8	10
Cleary Summit	64	2230	1/30	20	4.1	24	4.9	27	5.6	12
Colorado Creek	63	750	N O	S U R V E Y		22	4.2	23	4.1	14
Fielding Lake	49	3000	1/30	35	8.9	48	12.3	38	9.0	8
Ft. Greely	50	1420	2/1	17	2.5	18	4.0	15	2.7	13
French Creek	53	2010	1/31	18	3.4	22	4.8	22	4.3	11
Granite Creek	51	1240	2/1	18	2.7	19	3.8	15	2.6	12
Haystack Mountain	67	1950	N O	S U R V E Y		30	5.1	29	5.8	10
Little Chena Bottom	New	1100	N O	S U R V E Y		20	3.2	—	—	2
Little Chena Ridge	62	2200	N O	S U R V E Y		23	4.3	28	5.5	10
Little Chena Slope	New	1460	N O	S U R V E Y		24	4.0	—	—	2
Little Salcha	54	1500	1/31	18	3.2	22	5.2	22	3.9	19
Lower Chena	59	2000	N O	S U R V E Y		—	—	—	—	2
Mentasta Pass	47	2430	1/30	19	4.2	—	—	25	4.8	7
Monument Creek	60	1900	1/29	17	2.0	21	4.4	22	4.0	5
Mt. Ryan	61	2950	N O	S U R V E Y		26	5.4	32	6.9	10
Munson Ridge	56	3100	1/29	27	5.3	33	9.3	38	9.4	12
Teuchet Creek	57	1640	1/29	18	2.6	21	4.1	20	3.2	5
Tok Junction	46	1650	1/30	17	2.6	—	—	15	2.5	7
Torchaket	New	350	1/28	17	2.2	—	—	—	—	—
Upper Chena	58	3000	1/29	23	3.5	—	—	35	8.3	6
Upper Chena Pillow	New	2850	1/29	24	4.5	—	—	—	—	—
Yak Pasture	65	540	N O	S U R V E Y		—	—	21	3.5	10
<u>COPPER RIVER:</u>										
Haggard Creek	48	2540	1/30	23	4.1	—	—	23	4.2	12
Little Nelchina	31	4160	N O	S U R V E Y		—	—	20	3.7	10
Mankomen Lake	45	3050	2/1	23	3.8	—	—	26	5.0	12
St. Annes Lake	28	1990	N O	S U R V E Y		—	—	20	3.5	13
Sanford River	27	2280	N O	S U R V E Y		—	—	20	3.5	12
<u>MATANUSKA-SUSITNA:</u>										
Alexander Lake	18	200	1/30	37	8.0	49a	11.5e	34	7.7	15
Bald Mountain Lake	23	2150	N O	S U R V E Y		—	—	22	4.3	13
Chelatna Lake	20	1650	1/29	33a	8.2e	39a	10.0e	32	6.8	15
Clearwater Lake	26	3100	N O	S U R V E Y		—	—	22	3.8	13
Devils Canyon	124	1350	N O	S U R V E Y		—	—	—	—	2
Dutch Hills	New	3100	N O	S U R V E Y		—	—	—	—	—
Fog Lakes	24	2250	N O	S U R V E Y		—	—	24	4.3	9
Independence Mine	33	3300	1/30	65	23.0	—	—	—	—	—
Lake Louise	29	2400	N O	S U R V E Y		—	—	18	2.9	13
Monahan Flat	25	2710	N O	S U R V E Y		—	—	27	5.1	13
Oshetna Lake	30	2950	N O	S U R V E Y		—	—	17	2.7	14
Peters Hills	21	2010	2/6	67a	18.1e	48a	12.5e	45	10.1	12
Ramsdyke Creek	New	2100	2/6	85a	23.8e	—	—	—	—	—
Skwentna	19	160	1/30	36	8.5	45	11.1	34	7.1	13
Talkeetna	22	350	2/6	31	5.7	32	7.9	26	5.8	13
Tokositna Valley	New	850	2/6	66a	17.2e	—	—	—	—	—
Willow Airstrip	32	150	2/6	29	5.7	—	—	26	5.0	14
<u>UPPER COOK INLET:</u>										
Arctic Ski Bowl	5	3000	1/31	33	11.0	—	—	28	8.2	13
Arctic Valley #1	1	500	1/31	12	3.2	20	3.9	14	2.5	14
Arctic Valley #2	2	1000	1/31	20	4.8	22	4.2	15	2.6	14

a - aerial marker reading e - estimated

+ FOR PERIOD OF RECORD

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR			LAST YEAR		HISTORICAL AVERAGE		
			Date of Survey	Snow Depth (inches)	Water Content (inches)	Snow Depth (inches)	Water Content (inches)	Snow Depth (inches)	Water Content (inches)	Years of Previous Record
NAME	Number	Elevation								
<u>UPPER COOK INLET Continued:</u>										
Arctic Valley #3	3	2030	1/31	25	4.9	34	8.6	23	4.6	14
Arctic Valley #4	4	2330	1/31	25	5.8	36	9.7	23	5.1	14
Bird Creek	8	2350	2/2	34	27.3	45	15.2	35	10.0	12
Eagles Nest	New	4050	N O	S U R V E Y	---	---	---	---	---	---
Gravel Bar	New	3200	N O	S U R V E Y	---	---	---	---	---	---
Indian Pass	7	2350	2/2	30	25.2	61	20.9	48	13.7	12
McArthur	17	120	N O	S U R V E Y	---	---	---	45	11.1	13
Mt. Alyeska	10	1200	N O	S U R V E Y	---	67	2.3	---	---	---
N. Fork Ship Creek	New	3600	N O	S U R V E Y	---	---	---	---	---	---
Raven Ridge	New	1200	N O	S U R V E Y	---	---	---	---	---	---
Ship Creek	6	1750	2/2	57	14.3	38	11.2	28	6.5	12
S. Fork Campbell Creek	9	1200	2/2	32	6.4	30	7.0	23	4.5	5
<u>KENAI PENINSULA:</u>										
Bertha Creek	11	850	1/31	67	21.4	48	11.3	39	9.6	10
Bradley Cirque	New	3350	N O	S U R V E Y	---	---	---	---	---	---
Bridge Creek, Lower	16	1100	1/29	45	13.0	48	11.3	33	8.5	7
Bridge Creek, Upper	15	1300	1/29	44	11.3	45	12.0	32	7.7	7
Demonstration Forest	147	770	1/29	36	10.2	38	8.9	22	5.5	4
Fox Creek	145	1500	2/3	49	12.2	32	7.5	---	---	1
Jean Lake	14	620	1/31	16	3.7	15	3.4	15	2.9	10
Kenai Moose Pens	New	300	1/29	11	3.0	---	---	---	---	---
Kenai Summit	12	1390	1/31	63	17.0	39	9.8	37	8.3	9
Moose Pass	13	700	1/31	37	12.3	22	5.0	16	3.0	10
Pass Creek	144	1200	2/3	49	12.0	29	6.4	---	---	1
Portage Valley	New	50	N O	S U R V E Y	---	---	---	---	---	---
Ptarmigan Hills	New	1200	N O	S U R V E Y	---	---	---	---	---	---
Resurrection Pass	146	2250	N O	S U R V E Y	---	35	5.9	---	---	1
Windy River	New	950	N O	S U R V E Y	---	---	---	---	---	---
<u>SOUTHEAST:</u>										
Cropley Lake	94	1650	D E L A Y E D D A T A			---	---	---	---	---
Eagle Crest	95	1000	D E L A Y E D D A T A			---	---	---	---	---
Fish Creek	96	500	D E L A Y E D D A T A			---	---	---	---	---
Hunt Saddle	103	1500	N O	S U R V E Y	---	75	19.2	33	27.4	5
Lake Shore	104	650	N O	S U R V E Y	---	58	15.4	52	16.0	5
Pet Ridge, North	New	1600	D E L A Y E D D A T A			---	---	---	---	---
Pet Ridge, South	New	1650	D E L A Y E D D A T A			---	---	---	---	---
Petersburg Reservoir	99	550	D E L A Y E D D A T A			53	12.0	---	---	---

a - aerial marker reading e - estimated

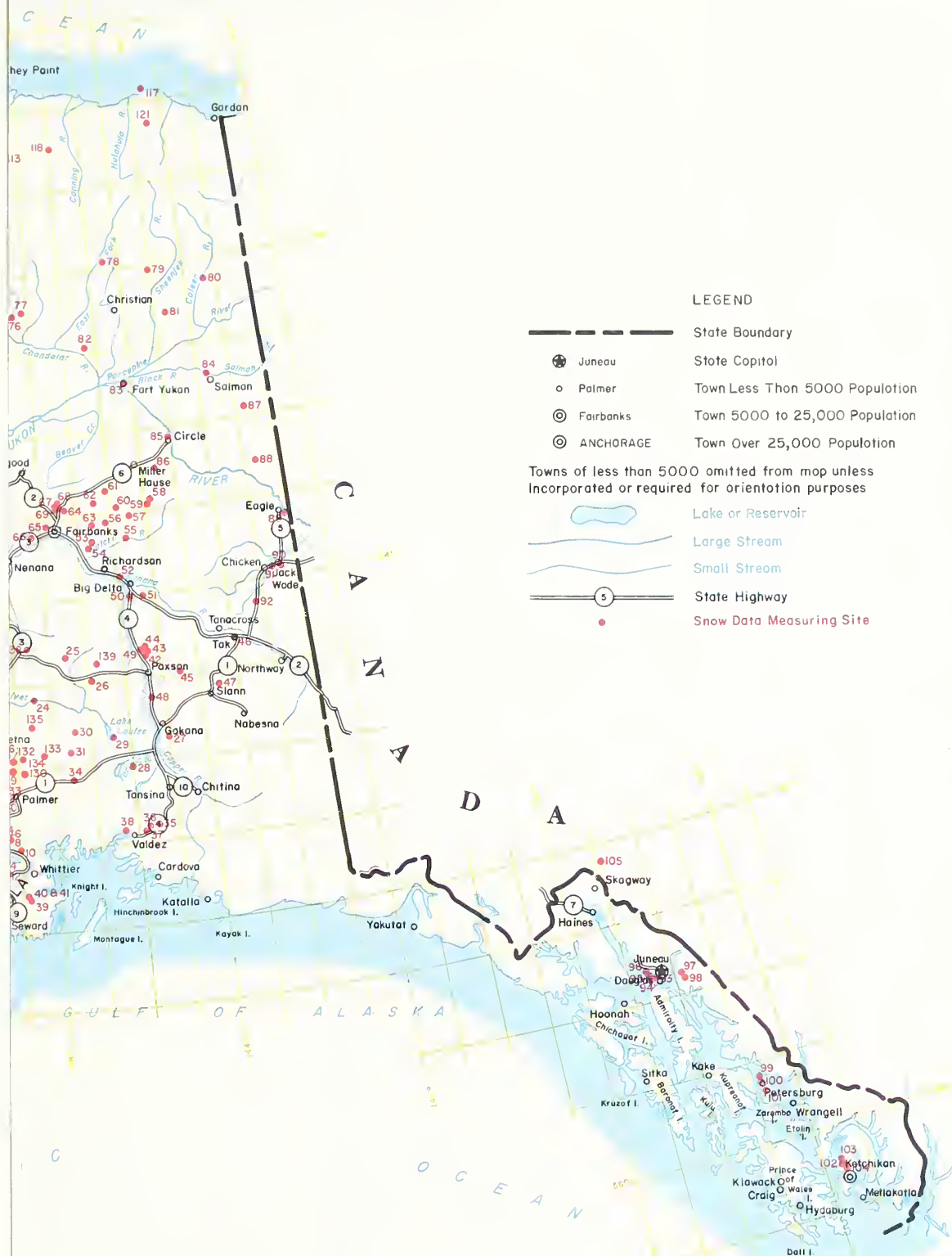
+ FOR PERIOD OF RECORD

SNOW:

SNOW

DRAINAGE BASIN and/or SNOW COURSE			THIS YEAR		LAST YEAR		HISTORICAL AVERAGE [†]			
			Date of Survey	Snow Depth (inches)	Water Content (inches)	Snow Depth (inches)	Water Content (inches)	Snow Depth (inches)	Water Content (inches)	Years of Previous Record
NAME	Number	Elevation								
WYOMING PRECIPITATION GAGES										
			DATE		INCREMENT SINCE LAST READING				ACCUMULATIVE TOTAL	
<u>BROOKS RANGE:</u>										
Atigun Camp	125	3400	9/24		INITIAL READING					
Atigun Pass	123	4900	9/24		INITIAL READING					
Chandalar Shelf	122	3400	9/24		INITIAL READING					
<u>NORTH SLOPE:</u>										
Barrow	115	15	10/1		INITIAL READING					
			10/15		0.3				0.3	
			11/1		0.3				0.6	
			11/15		0.1				0.7	
			12/1		0.4				1.1	
			12/15		0.3				1.4	
			1/2		0.4				1.8	
			1/15		0.0				1.8	
Barter Island	117	15	9/6		INITIAL READING					
Jago River	121	550	9/6		INITIAL READING					
Kavik River	118	200	9/6		INITIAL READING					
Meade River	116	200	9/1		INITIAL READING					
			1/2		3.4				3.4	
Prudhoe Bay	114	30	9/27		INITIAL READING					
			11/7		1.7				1.7	
			12/4		1.3				3.0	
			1/1		1.0				4.0	
			1/8		1.1				5.1	
Sagwon	113	1000	9/27		INITIAL READING					
Toolik River	112	3100	9/30		INITIAL READING					
<u>TANANA-CHENA:</u>										
Murphy Dome	New		10/25		INITIAL READING					
			12/18		1.2				1.2	
			1/28		.6				1.8	

+ FOR PERIOD OF RECORD

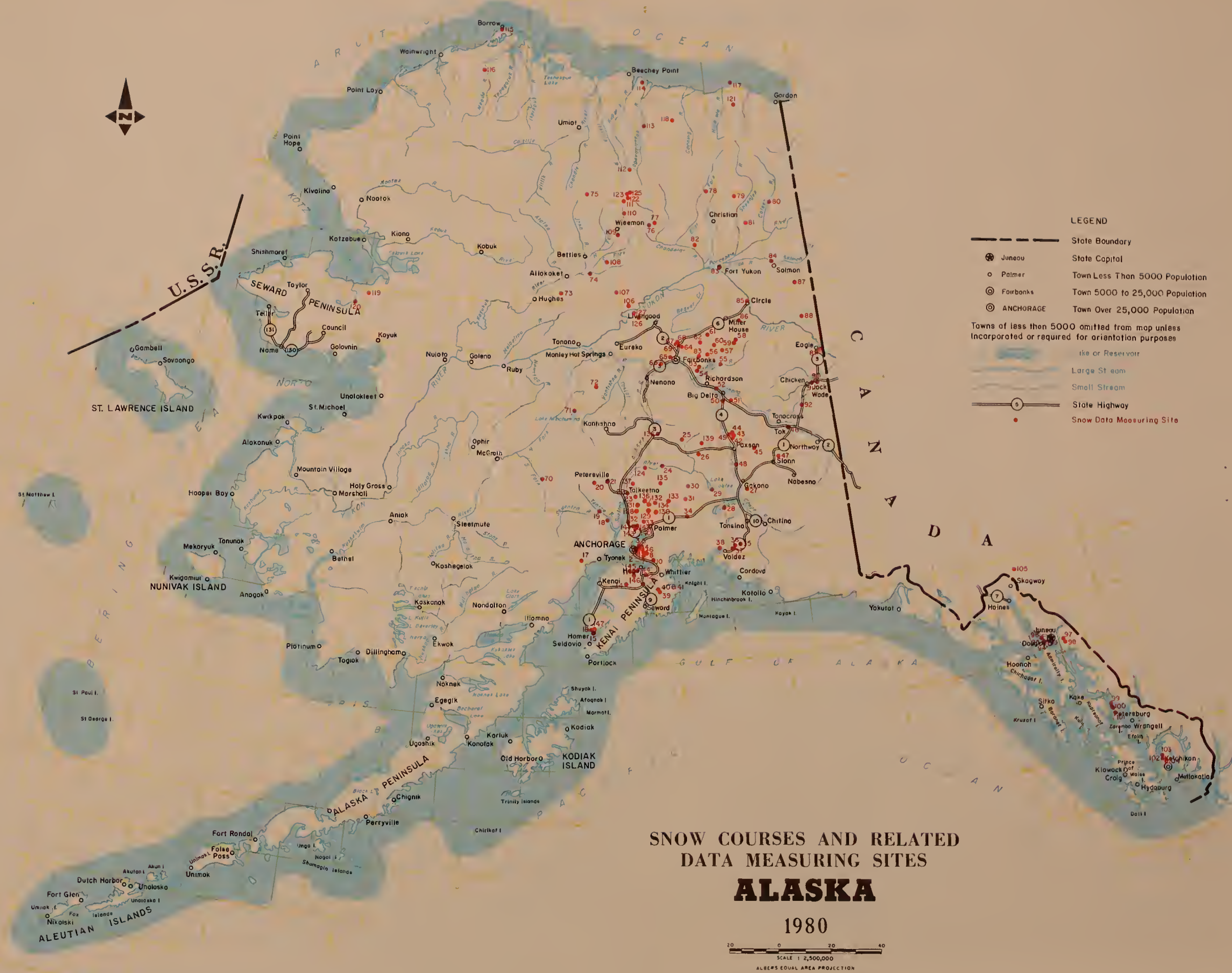


SNOW COURSES AND RELATED DATA MEASURING SITES

ALASKA

1980





INDEX OF ALASKA SNOW COURSES

MAP NO.	COURSE NAME	COURSE NO. * *	ELEV.	LAT.	LONG.	MEAS. OATES *	MEAS. * BY *	MAP NO.	COURSE NAME	COURSE NO. * *	ELEV.	LAT.	LONG.	MEAS. DATES *	MEAS. * BY *
1	Arctic Valley #1	49MM1	500	61°13'N	149°40'W	2,3,4,5	c	76	Chandalar Lake	48SS1A	2040	67°30'N	148°30'W	3,4	a
2	Arctic Valley #2	49MM2	1000	61°13'N	149°37'W	2,3,4,5	c	77	Squaw Lake	48SS2a	2150	67°33'N	148°15'W	3,4	a
3	Arctic Valley #3	49MM3	2030	61°14'N	149°35'W	2,3,4,5	c	78	Arctic Village	45TT1A	2300	68°05'N	145°35'W	3,4	a
4	Arctic Valley #4	49MM4	2330	61°14'N	149°33'W	2,3,4,5	c	79	Koness Lake	44SS1A	1790	67°55'N	144°08'W	3,4	a
5	Arctic Ski Bowl	49MM5	3000	61°15'N	149°31'W	2,3,4,5	c	80	Coleen River	42SS1A	1100	67°44'N	142°28'W	3,4,7	a
6	Ship Creek	49MM7PS	1750	61°08'N	149°28'W	2,3,4,5	a	81	Vundik Lake	43SS1a	950	67°23'N	143°45'W	3,4	a
7	Indian Pass	49MM8APST	2350	61°05'N	149°29'W	2,3,4,5	a	82	Venetie	46SS1A	610	67°03'N	146°25'W	3,4,7	a
8	Bird Creek	49MM6A	2350	61°06'N	149°20'W	2,3,4,5,7	a	83	Fort Yukon	45RR1AM	430	66°35'N	145°15'W	3,4,7	a
9	South Campbell Creek	49MM11	1200	61°08'N	149°42'W	2,3,4,5	a	84	Black River	42RR1A	650	66°36'N	142°45'W	3,4,7	a
10	Mt. Alyeska	491LL1S	1200	60°57'N	149°05'W	2,3,4,5	a,b	85	Circle City	44QQ3A	600	65°50'N	144°05'W	3,4,7	a
11	Bertha Creek	49LL2	850	60°45'N	149°51'W	2,3,4,5	a	86	Circle Hot Springs	44QQ5	860	65°29'N	144°39'W	3,4	a
12	Kenai Summit	49LL3	1390	60°40'N	149°28'W	2,3,4,5	a	87	Dempsey Creek	41RR2A	950	66°06'N	141°48'W	3,4	a
13	Moose Pass	49LL4	700	60°31'N	149°30'W	2,3,4,5	a	88	Nation River	41QQ1a	3050	65°25'N	141°40'W	3,4	f
14	Jean Lake	50LL1	620	60°31'N	150°11'W	2,3,4,5	a	89	Eagle Village	41PP1A	900	64°08'N	141°08'W	3,4,7	f
15	Bridge Creek (UP)	51KK1	1300	59°42'N	151°28'W	3,4,5	a	90	Boundary	41PP3A	3300	64°05'N	141°27'W	3,4	f
16	Bridge Creek (LO)	51KK2	1100	59°40'N	151°32'W	3,4,5	a	91	Chicken Airstrip	41PP2A	1650	64°05'N	141°45'W	3,4,7	f
17	McArthur	52LL1A	120	61°00'N	152°00'W	2,3,4,5	a,c	92	Mt. Fairplay	42001a	3100	63°42'N	142°17'W	3,4,5	f
18	Alexander Lake	50MM1A	200	61°45'N	150°54'W	2,3,4,5	a,c	93	Douglas Ski Bowl	34JJ1	1640	58°16'N	134°27'W	3,4,5	b
19	Skwentna	51MM1A	160	61°58'N	151°12'W	2,3,4,5	a,c	94	Cropley Lake	34JJ2	1650	58°16'N	134°31'W	1,2,3,4	b
20	Chelatna Lake	51NN1a	1650	62°31'N	151°29'W	2,3,4,5	a,c	95	Eagle Crest	34JJ3	1000	58°17'N	134°32'W	1,2,3,4	b
21	Peters Hilla	50NN1a	2010	62°31'N	150°57'W	2,3,4,5	a,c	96	Fish Creek	34JJ4	500	58°19'N	134°33'W	1,2,3,4	b
22	Talkeetna	50NN2	350	62°18'N	150°05'W	2,3,4,5	a,c	97	Upper Long Lake	33JJ2a5	1000	58°11'N	133°53'W	3,4,5,6,7	e
23	Bald Mtn. Lake	49NN1A	2150	62°15'N	149°45'W	2,3,4,5	a,c	98	Speel River	33JJ3A	280	58°09'N	133°43'W	3,4,5,6,7	e
24	Fog Lakes	48NN2A	2120	62°47'N	148°29'W	2,3,4,5	a,c	99	Petersburg Reservoir	32HH1	550	56°47'N	132°56'W	2,3,4,5	b
25	Monahan Flat	47001APST	2710	63°18'N	147°39'W	2,3,4,5	a,c	100	Mitkof Island	32HH2	1050	56°46'N	132°56'W	2,3,4,5	b
26	Clearwater Lake	46NN1A	3100	62°59'N	146°58'W	2,3,4,5	a,c	101	Crystal Lake	32HH3	1375	56°36'N	132°50'W	2,3,4,5	b
27	Sanford River	45NN2A	2280	62°13'N	145°04'W	2,3,4,5	a,c	102	Harriet Top	31CC1	2000	55°29'N	131°37'W	3,4,5	b
28	St Anne Lake	46MM1A	1990	61°53'N	146°03'W	2,3,4,5	a,c	103	Hunt Saddle	31CC2	1500	55°30'N	131°37'W	3,4,5	b
29	Lake Louise	46NN2A	2400	62°17'N	146°30'W	2,3,4,5	a,c	104	Lake Shore	31CC3	660	55°29'N	131°36'W	3,4,5	b
30	Oshetna Lake	47NN1A	2950	62°23'N	147°29'W	2,3,4,5	a,c	105	Log Cabin (B.C.)	34KK1	2880	59°45'N	134°58'W	3,4,5	e
31	Little Nelchina	47NN2a	4160	62°07'N	147°36'W	2,3,4,5	a,c	106	Five Mile Camp	49RR1	400	65°55'N	149°48'W	2,3,4,5	f
32	Willow Airstrip	50MM2	150	61°45'N	150°03'W	2,3,4,5	a,c	107	Thirty Mile	50RR2a	1300	66°13'N	150°15'W	2,3,4,5	f
33	Independence Mine	49MM10	3300	61°45'N	149°25'W	3,4,5	a	108	Prospect Creek	50RR1	980	66°47'N	150°45'W	2,3,4,5	f
34	Sheep Mountain	47MM2	2900	61°47'N	147°30'W	3,4,5	a	109	Coldfoot	50SS1	1000	67°16'N	150°10'W	1,2,3,4	f
35	Tsaina River	45MM4	1500	61°12'N	145°30'W	3,4,5	a	110	Dietrich Camp	49SS1A	1550	67°42'N	149°45'W	2,3,4,5	f
36	Worthington Glacier	45MM2	2400	61°10'N	145°45'W	3,4,5	a	111	Table Mountain	49SS3A	2200	67°58'N	149°45'W	2,3,4,5	f
37	Lowe River	45MM3	550	61°06'N	145°50'W	3,4,5	a	112	Toolik River	49TT1PT	3100	68°37'N	149°26'W	7	d
38	Valdez	46MM2	50	61°08'N	146°20'W	2,3,4,5	a	113	Sagwon	48UU1P	1000	69°26'N	148°34'W	7	d
39	Wolverine Glacier (A)	48LL1	2130	60°23'N	148°54'W	1,2,4,5,6,7	g	114	Prudhoe Bay	48VV1P	30	70°15'N	148°30'W	7	a
40	Wolverine Glacier (B)	48LL2	3610	60°25'N	148°55'W	2,3,4,5,6,7	g	115	Barrow	56WW1P	15	71°20'N	156°40'W	7	i
41	Wolverine Calcier C	48LL3	4430	60°25'N	148°55'W	1,2,4,6,7	g	116	Meade River	57VV1P	200	70°29'N	157°25'W	7	i
42	Culkana Glacier A	45006	4590	63°15'N	145°29'W	2,3,4,5,6,7	g	117	Barter Island	43VV1P	15	70°08'N	143°37'W	7	h
43	Culkana Glacier B	45007	5480	63°17'N	145°26'W	2,3,4,5,6,7	g	118	Kavik River	47UU1P	200	69°30'N	147°00'W	7	h
44	Culkana Glacier C	45008	6360	63°19'N	145°29'W	5,6,7	g	119	Candle	61QQ1P	20	66°55'N	161°56'W	3,4	a,f
45	Mankomen Lake	44NN1	3050	63°00'N	144°32'W	2,3,4,5	a	120	Kugruk River	62QQ1P	225	65°40'N	162°27'W	3,4	a,f
46	Tok Junction	43001	1650	63°18'N	143°00'W	2,3,4,5	a	121	Jago River	43UU1P	550	69°42'N	143°36'W	7	h
47	Mentasta Pass	43NN1	2430	62°51'N	143°30'W	2,3,4,5	a	122	Chandalar Shelf	49TT2P	3400	68°05'N	149°29'W	7	d
48	Haggard Creek	45NN1A	2540	62°42'N	145°28'W	2,3,4,5	a	123	Atigun Pass	49TT3SP	4900	68°08'N	149°35'W	7	d
49	Fielding Lake	45001A	3000	63°18'N	145°33'W	2,3,4,5	a	124	Devils Canyon	49NN2a	1350	62°49'N	149°18'W	2,3,4,5	a,c
50	Ft. Creely	45005	1420	63°57'N	145°45'W	1,2,3,4,5,7	a	125	Atigun Camp	49TT4P	3400	68°10'N	149°26'W	7	d
51	Cranite Creek	45004S	1240	63°57'N	145°24'W	1,2,3,4,5,7	a	126	Hess Creek	49QQ1	1000	65°46'N	149°23'W	2,3,4,5	f
52	Big Delta	45PP1	980	64°14'N	145°58'W	2,3,4,5	a	127	Isom Creek	49QQ2	1675	65°50'N	149°30'W	2,3,4,5	f
53	French Creek	46PP2MA	2010	64°43'N	146°40'W	2,3,4,5,7	a	128	Little Willow Creek	49MM12a	2100	61°59'N	149°42'W	3,4,5	a
54	Little Salcha	46PP3	1500	64°38'N	146°44'W	2,3,4,5,7	a	129	Kashwitna River Cirque	49MM13a	3900	61°57'N	149°21'W	3,4,5	a
55	Caribou Mine	45PP2A	1115	64°40'N	145°40'W	2,3,4,5,7	a	130	Upper Kashwitna River	48MM1a	4300	61°57'N	148°59'W	3,4,5	a
56	Munson Ridge	46PP1PST	3100	64°52'N	146°13'W	2,3,4,5,7	a	131	Sheep Creek Cirque	49NN3a	3000	62°06'N	149°37'W	3,4,5	a
57	Teuchet Creek	45PP3PST	1640	64°57'N	145°31'W	2,3,4,5	a	132	Sheep River	49NN4a	4100	62°08'N	149°07'W	3,4,5	a
58	Upper Chena	44QQ1PST	3000	65°07'N	144°55'W	2,3,4,5,7	a	133	Talkeetna River Pass	48NN3a	5100	62°11'N	148°24'W	3,4,5	a
59	Lower Chena	44QQ6	2000	65°04'N	144°59'W	2,3,4,5,7	a	134	Middle Fork Iron Creek	48NN4a	4750	62°19'N	148°58'W	3,4,5	a
60	Monument Creek	45QQ2	1900	65°03'N	145°55'W	2,3,4,5	a	135	Talkeetna River	48NN5a	2250	62°29'N	148°39'W	3,4,5	a
61	Mt. Ryan	46QQ1PST	2750	65°15'N	146°09'W	2,3,4,5,7	a	136	Rainbow Lake	49NN5a	1350	62°19'N	149°19'W	3,4,5	a
62	Little Chena Ridge	46QQ2PST	2200	65°08'N	146°32'W	2,3,4,5,7	a	137	Chunilna River	49NN6a	1750	62°32'N	149°46'W	3,4,5	a
63	Colorado Creek	46PP4S	750	64°52'N	146°39'W	1,2,3,4,5,7	a	138	Jack River	48001	2450	63°24'N	148°40'W	2,3,4,5	a,c
64	Cleary Summit	47QQ1A	2230	65°03'N	147°24'W	1,2,3,4,5,7	a	139	East Fork Susitna River	46001a	4775	63°19'N	146°55'W	2,3,4,5	a,c
65	Yak Pasture	47PP1	540	64°52'N	147°55'W	2,3,4,5	a	140	Capitol Site	49MM14A	860	61°42'N	149°49'W	2,3,4,5	a
66	Bonanza Creek	48PP1	1150	64°45'N	148°20'W	2,3,4,5	b	141	Mt. Sullion	49MM15A	1400	61°44'N	149°46'W	2,3,4,5	a
67	Haystack Mtn.	47QQ2	1950	65°08'N	147°38'W	2,3,4,5	d	142	Deception Creek	49MM16A	1100	61°41'N	149°41'W	2,3,4,5	a
68	Caribou Creek	47QQ3	1440	65°09'N	147°35'W	2,3,4,5	d	143	North Houston	49MM17A	500	61°40'N	149°51'W	2,3,4,5	a
69	Caribou Snow Pillow	47QQ4S	1025	65°08'N	147°32'W	2,3,4,5,7	d	144	Pass Creek	49LL5	1200	60°46'N	149°41'W	1,2,3,4	b
70	Farewell Lake	53NN1A	1090	62°34'N	153°35'W	3,4	a	145	Fox Creek	49LL6	1500	60°44'N	149°43'W	1,2,3,4	b
71	Lake Minchumina	52001A	730	63°53'N	152°18'W	3,4	a	146	Resurrection Pass	49LL7	2250	60°41'N	149°45'W	1,2,3,4	b
72	Wien Lake	51PP1A	1020	64°22'N	151°18'W	3,4	a	147	Demonstration Forest	51KK3	770	59°40'N	151°38'W	2,3,4,5	a
73	Lake Todatonten	52RR1a	980	66°10'N	152°55'W	3,4	a								
74	Bettles Field	51RR1PST	640	66°35'N	151°32'W	3,4	a								
75	Anaktuvuk Pass	51TT1A	2100	68°09'N	151°41'W	3,4	a								

LEGEND

* Numerals refer to specific dates:

- Numerals 1 = January 1
2 = February 1
3 = March 1
4 = April 1
5 = May 1
6 = June 1
7 = Special dates

** Letters refer to Agency that secures the snow survey,

- a. - Soil Conservation Service
b. - Forest Service
c. - U.S. Army Corps. of Engineers
d. - U.S. Army Cold Regions Research and Engineering Lab
e. - Alaska Power Administration
f. - Bureau of Land Management
g. - U.S. Geological Survey
h. - U.S. Fish and Wildlife Service
i. - Naval Arctic Research Lab

*** Letters following the snow course number refer to:

- A. - Snow Course and Aerial Stadia Marker
a. - Aerial Stadia Marker only
P. - Precipitation Storage Gage
S. - Snow Pillow
T. - Radio Telemetered

EAS. DATES *	MEAS. * BY *
3,4	a
3,4	a
3,4	a
3,4	a
3,4,7	a
3,4	a
3,4,7	a
3,4,7	a
3,4,7	a
3,4,7	a
3,4	a
3,4	a
3,4	f
3,4,7	f
3,4	f
3,4,7	f
3,4,5	f
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1,2,3,4	b
1,2,3,4	b
1,2,3,4	b
3,4,5,6,7	e
3,4,5,6,7	e
2,3,4,5	b
2,3,4,5	b
2,3,4,5	b
3,4,5	b
3,4,5	b
3,4,5	b
3,4,5	e
2,3,4,5	f
2,3,4,5	f
2,3,4,5	f
1,2,3,4	f
2,3,4,5	f
2,3,4,5	f
1	d
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1,4	a,f
1,4	a,f
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1	d
1	d
1,3,4,5	a,c
7	d
2,3,4,5	f
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3,4,5	a
3,4,5	a
3,4,5	a
3,4,5	a
3,4,5	a
3,4,5	a
3,4,5	a
3,4,5	a
3,4,5	a
2,3,4,5	a,c
2,3,4,5	a,c
2,3,4,5	a
2,3,4,5	a
2,3,4,5	a
2,3,4,5	a
1,2,3,4	b
1,2,3,4	b
1,2,3,4	b
2,3,4,5	a

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AGENCIES AND ORGANIZATIONS COOPERATING IN ALASKA SNOW SURVEYS

CANADA

Department of Indian and Northern Affairs, Northern
Natural Resources and Environment, Yukon Territory

FEDERAL

Department of Agriculture
Forest Service
Institute of Northern Forestry
Tongass National Forest
Chugach National Forest
Soil Conservation Service

Department of Commerce
NOAA National Weather Service

Department of Defense
U. S. Army Corps of Engineers
U. S. Army Cold Regions Research and Engineering Laboratory

Department of Interior
Bureau of Land Management
Geological Survey
Alaska Power Administration
Fish and Wildlife Service

STATE

Alaska Department of Military Affairs, Division of Emergency Services
Alaska Department of Fish and Game
Alaska Department of Transportation
Alaska Department of Natural Resources, Division of Parks
Alaska Association of Soil Conservation Sub-districts
Alaska Soil Conservation District
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Geophysical Institute
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with the Snow Survey"*

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